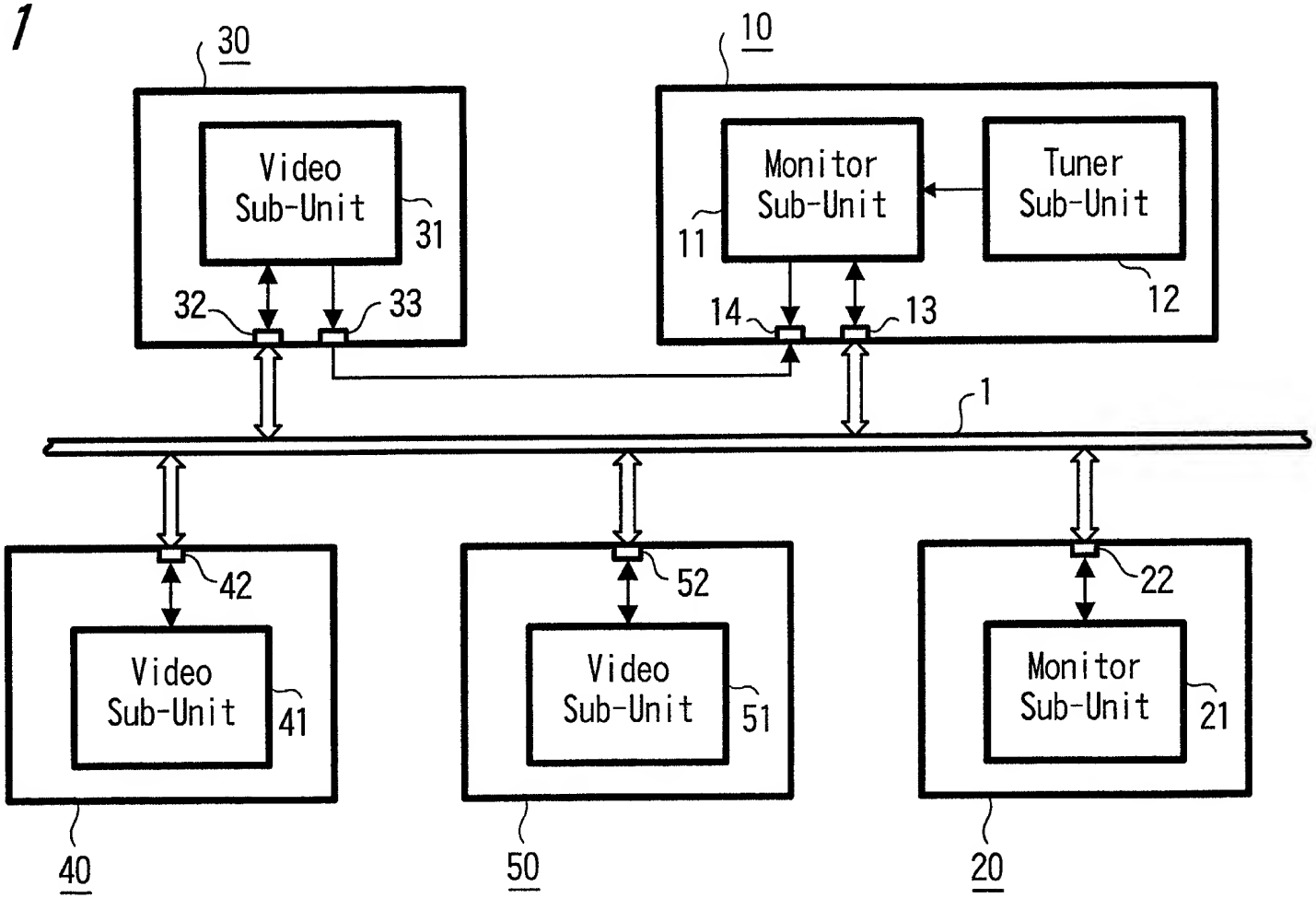
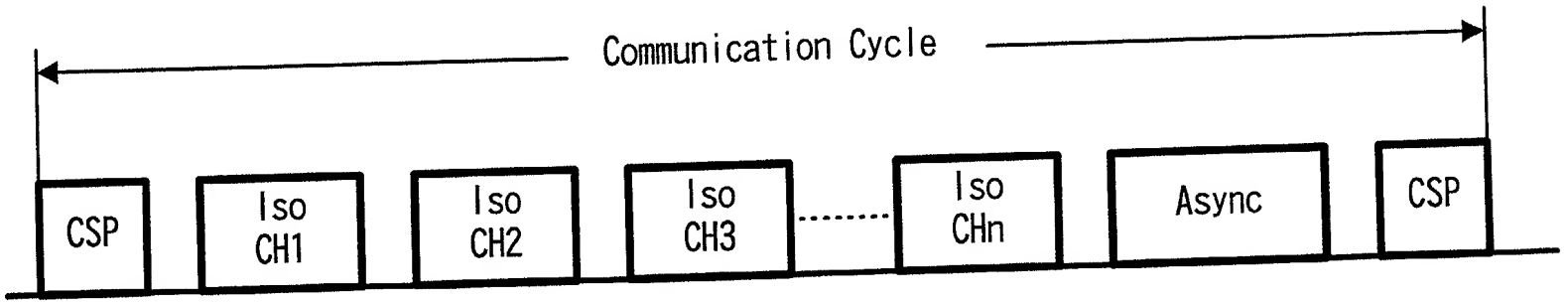
FIG. 1


30
Video
Sub-Unit
31
32
33
10
Monitor
Sub-Unit
11
Tuner
Sub-Unit
12
14
13
1
42
Video
Sub-Unit
41
40
52
Video
Sub-Unit
51
50
22
Monitor
Sub-Unit
21
20

0040E7 2814C2C0

FIG. 2



CSP : Cycle Start Packet
Iso : Iso Packet
Async : Async Packet

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FIG.3

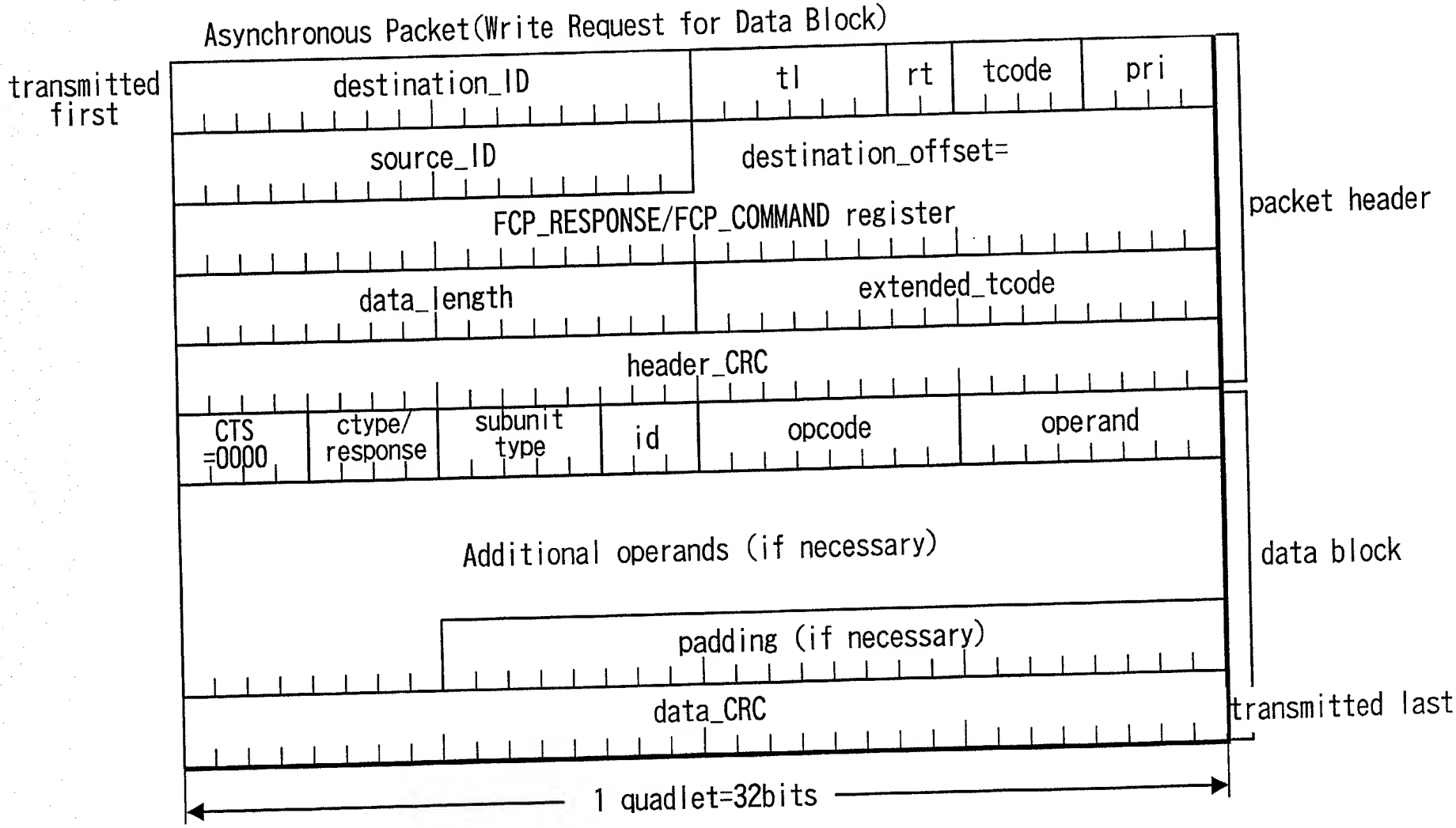

FIG. 4

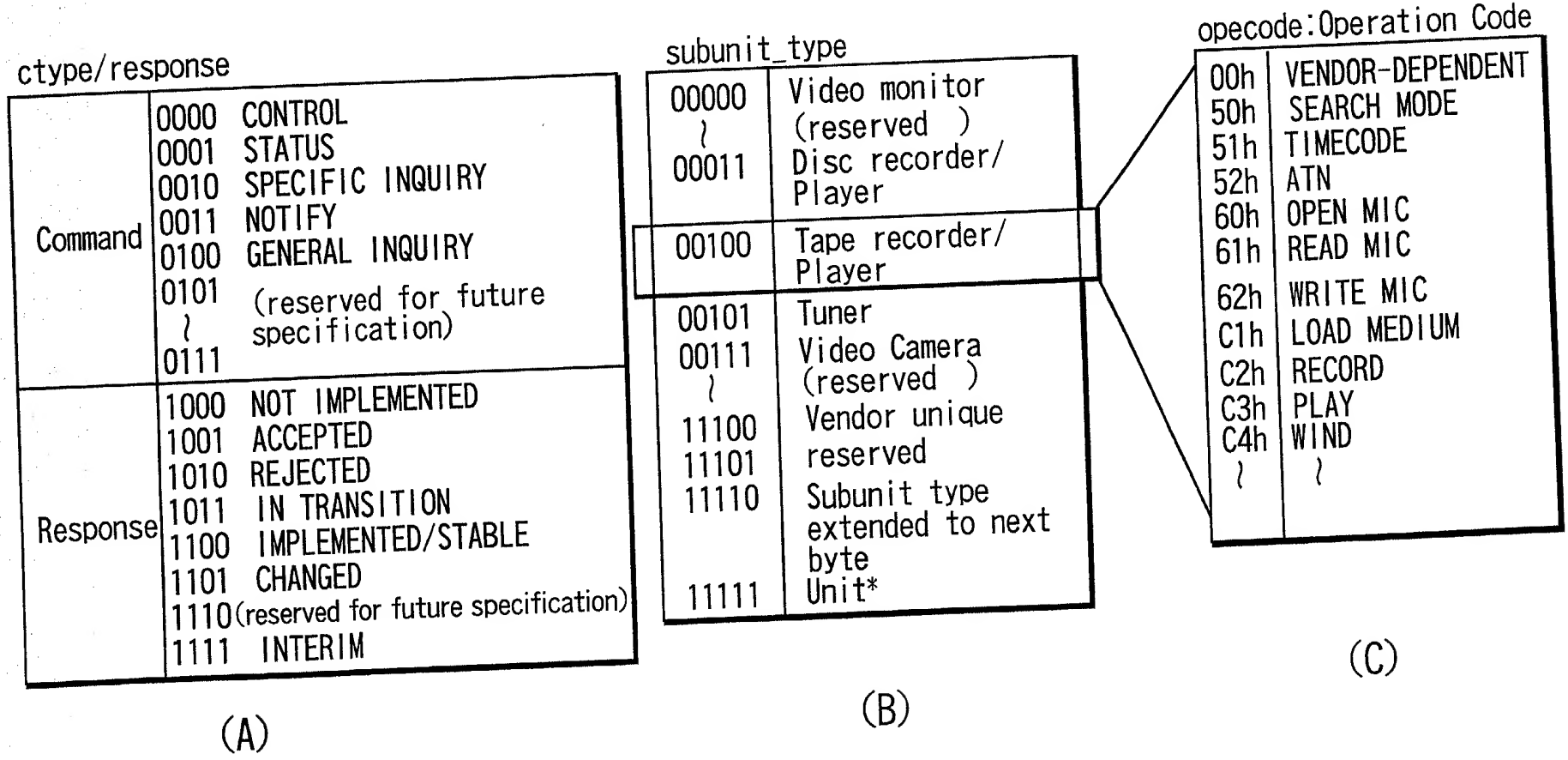
ctype/response
Command
0000 CONTROL
0001 STATUS
0010 SPECIFIC INQUIRY
0011 NOTIFY
0100 GENERAL INQUIRY
0101 ~ 0111 (reserved for future specification)
Response
1000 NOT IMPLEMENTED
1001 ACCEPTED
1010 REJECTED
1011 IN TRANSITION
1100 IMPLEMENTED/STABLE
1101 CHANGED
1110 (reserved for future specification)
1111 INTERIM
(A)
subunit_type
00000 ~ 00011 Video monitor (reserved) Disc recorder/ Player
00100 Tape recorder/ Player
00101 Tuner
00111 ~ 11100 Video Camera (reserved) Vendor unique
11101 reserved
11110 Subunit type extended to next byte
11111 Unit*
(B)
opecode:Operation Code
00h VENDOR-DEPENDENT
50h SEARCH MODE
51h TIMECODE
52h ATN
60h OPEN MIC
61h READ MIC
62h WRITE MIC
C1h LOAD MEDIUM
C2h RECORD
C3h PLAY
C4h WIND
(C)

FIG. 5

	Command Format	Response Format
Opcode	REMOTE PRESET	<<<
Operand[0]	0xFF	Preset tag
Operand[1]	0xFF	Result status
Operand[2]	Source subunit	<<<
Operand[3]	Subunit source plug	<<<
Operand[4]	Unit output plug	<<<
Operand[5]	Input node ID	<<<
Operand[6]		<<<
Operand[7]	Unit input plug	<<<
Operand[8]	Destination subunit	<<<
Operand[9]	Subunit destination plu	<<<
Operand[10]	Controller's GUID	<<<
Operand[11]		<<<
Operand[12]		<<<
Operand[13]		<<<
Operand[14]		<<<
Operand[15]		<<<
Operand[16]		<<<
Operand[17]		<<<
Operand[18]	Controller's node id	<<<
Operand[19]		<<<

FIG. 6

	Command Format	Response Format
Opcode	REMOTE PRESET	<<<
Operand[0]	Preset tag	<<<
Operand[1]	0xFF	Result status
Operand[2]	0xFF	Source subunit
Operand[3]	0xFF	Subunit source plug
Operand[4]	Unit output plug	<<<
Operand[5]	0xFF	Input node ID
Operand[6]	0xFF	
Operand[7]	0xFF	Unit input plug
Operand[8]	0xFF	Destination subunit
Operand[9]	0xFF	Subunit destination plug
Operand[10]	0xFF	Controller's GUID
Operand[11]	0xFF	
Operand[12]	0xFF	
Operand[13]	0xFF	
Operand[14]	0xFF	
Operand[15]	0xFF	
Operand[16]	0xFF	
Operand[17]	0xFF	
Operand[18]	0xFF	Controller's node id
Operand[19]	0xFF	

FIG. 7

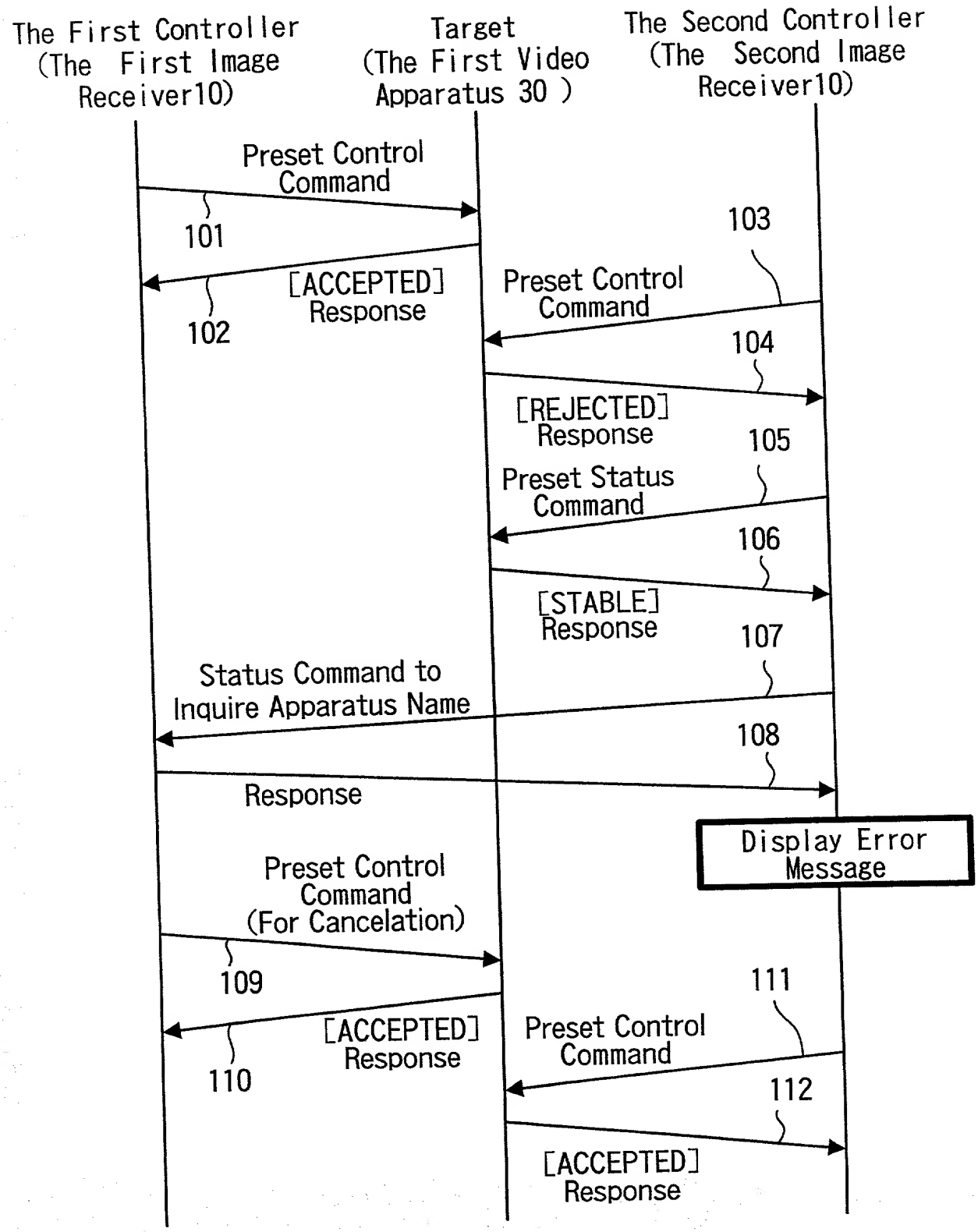
The First Controller (The First Image Receiver10)
Target (The First Video Apparatus 30)
The Second Controller (The Second Image Receiver10)
Preset Control Command
101
[ACCEPTED] Response
102
103
Preset Control Command
104
[REJECTED] Response
105
Preset Status Command
106
[STABLE] Response
107
Status Command to Inquire Apparatus Name
108
Response
Display Error Message
Preset Control Command (For Cancelation)
109
[ACCEPTED] Response
110
111
Preset Control Command
112
[ACCEPTED] Response

FIG. 8

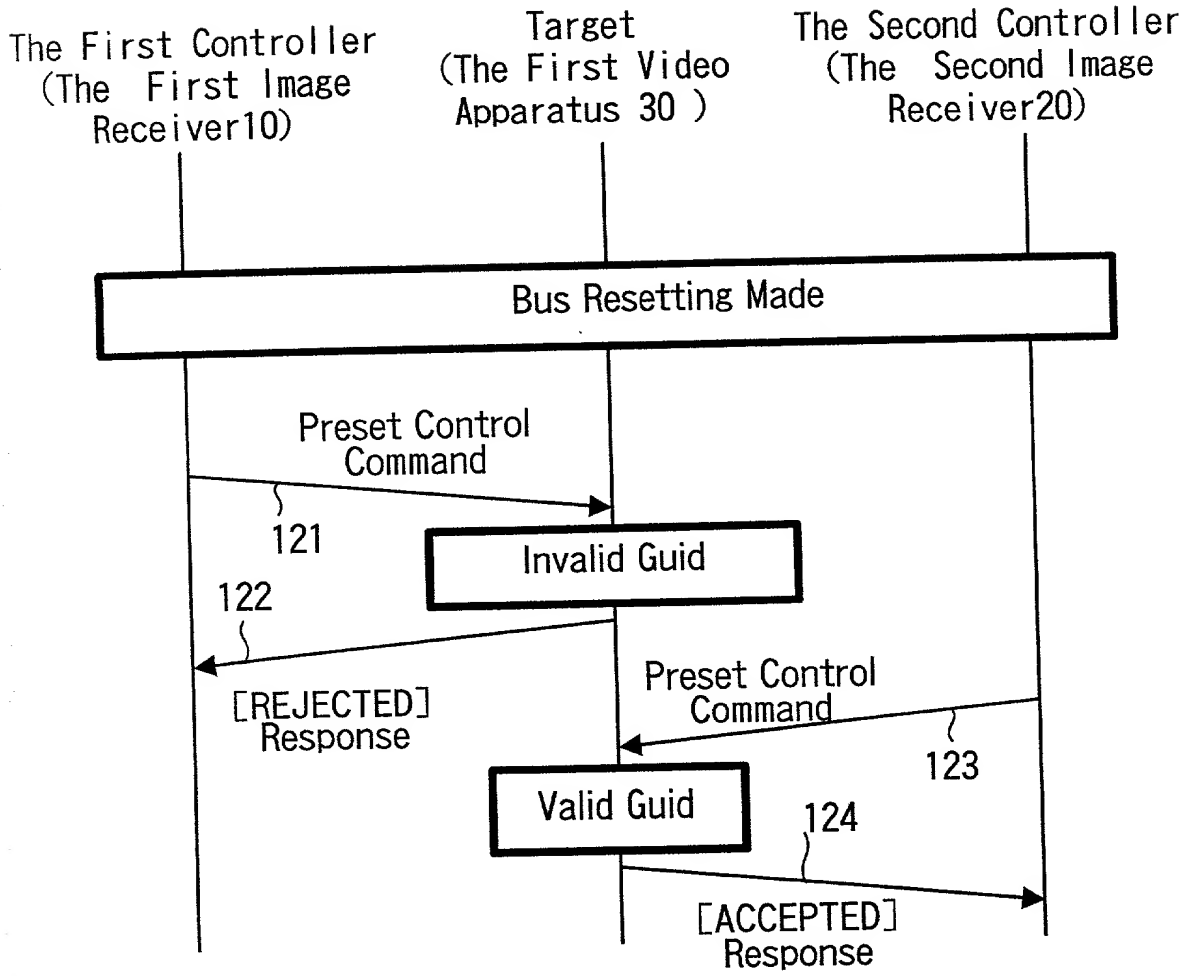
The First Controller (The First Image Receiver10)
Target (The First Video Apparatus 30)
The Second Controller (The Second Image Receiver20)
Bus Resetting Made
Preset Control Command
121
Invalid Guid
122
[REJECTED] Response
Preset Control Command
123
Valid Guid
124
[ACCEPTED] Response

FIG. 9

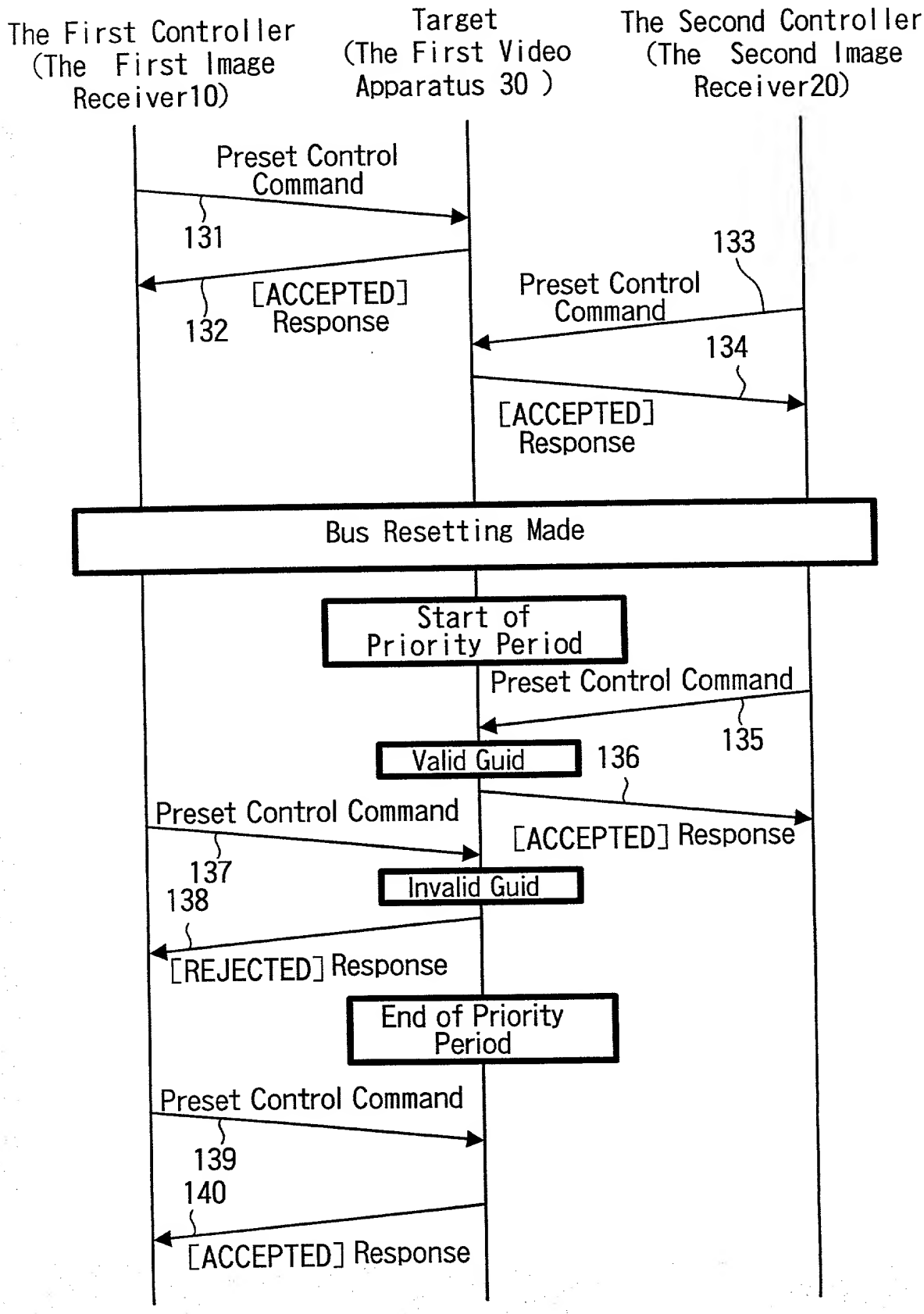
The First Controller (The First Image Receiver10)
Target (The First Video Apparatus 30)
The Second Controller (The Second Image Receiver20)
Preset Control Command
131
[ACCEPTED] Response
132
133
Preset Control Command
134
[ACCEPTED] Response
Bus Resetting Made
Start of Priority Period
Preset Control Command
135
Valid Guid
136
Preset Control Command
[ACCEPTED] Response
137
138
Invalid Guid
[REJECTED] Response
End of Priority Period
Preset Control Command
139
140
[ACCEPTED] Response

FIG. 10

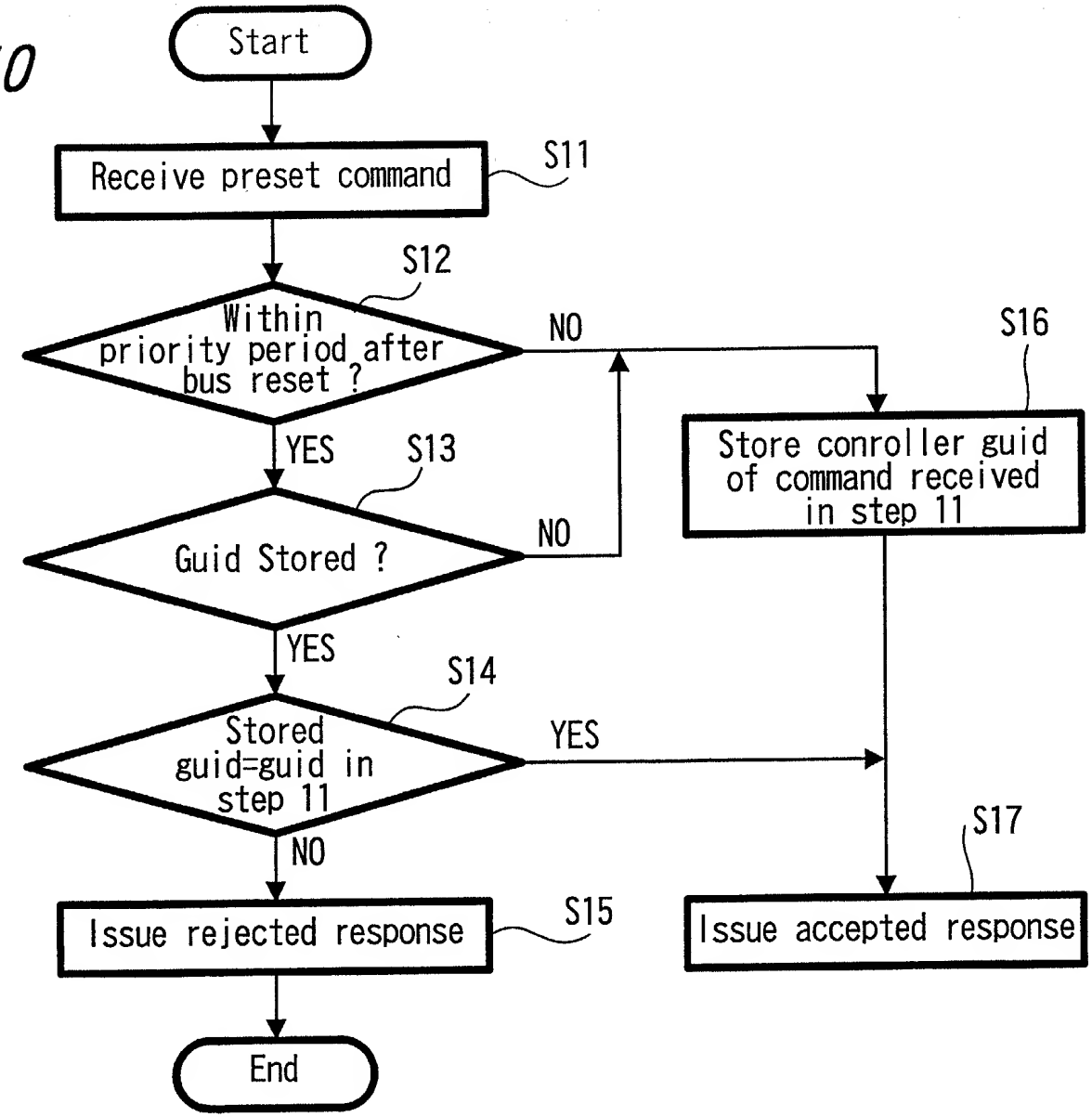
Start
Receive preset command
S11
S12
Within priority period after bus reset ?
NO
S16
YES
S13
Guid Stored ?
NO
Store conroller guid of command received in step 11
YES
S14
Stored guid=guid in step 11
YES
S17
NO
Issue rejected response
S15
Issue accepted response
End

FIG. 11

	Command Format	Response Format
Opcode	OUTPUT PRESET($1C_{16}$)	<<<
Operand[0]	0/0x7F	self/entry number
Operand[1]	Destination node id	<<<
Operand[2]		<<<
Operand[3]	Destination subunit Subunit destination plug	<<<
Operand[4]		<<<

FIG. 12

	Command Format	Response Format
Opcode	OUTPUT PRESET($1C_{16}$)	<<<
Operand[0]	0/entry number	self/entry number
Operand[1]	0xFF	Destination node id
Operand[2]	0xFF	
Operand[3]	0xFF	Destination subunit Subunit destination plug
Operand[4]	0xFF	

FIG. 13

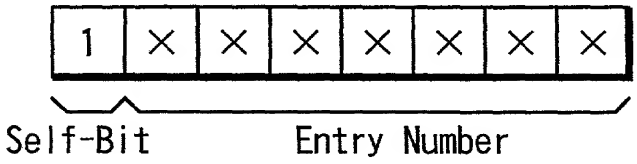

FIG. 14

	Command Format	Response Format
Opcode	OUTPUT PRESET($1C_{16}$)	<<<
Operand[0]	0/entry number	<<<
Operand[1]	0xFF	<<<
Operand[2]	0xFF	<<<
Operand[3]	0xFF	<<<
Operand[4]	0xFF	<<<